



CLASSIFIED MESSAGE

DATE : 1430Z 25 JUL 60

SECRET

ROUTING			
1	DB	4	cont
2	ch/DB	5	fin
3	"	6	rest. ch
7. RI			

TO : DIRECTOR

FROM :

ACTION: DPD (1,2,3,4,5,6,7,8,9,10)

INFO : S/C (11)

EG

TOR: 1752Z 25 JUL 60

CIRCULATE

X-REF

ROUTINE

IN 29496

TO

INFO

CITE

REF: 0549 (IN 28650)

FILE

0925X1

25X1

YOUR REQUEST FOR EVALUATION OF A NEW EMULSION, SIMILAR TO PREVIOUS LOTS, BUT WITH IMPROVED SPEED, ON A STABLE BASE APPEARS TO REQUIRE THE FOLLOWING TESTS:

1. SENSITOMETRY

- A. DEVELOPMENT TIME CURVES IN D-19 AND DEKTOL DILUTED 1:1 AT 68 DEGREES F (AMBIENT CONDITIONS)
- B. SENSITIVITY TO HEAT UP TO 250 DEGREES F UNDER VACUUM.
- C. FILTER FACTOR DETERMINATION FOR WRATTEN NO. 12, 21, 25.
- D. RESOLVING POWER DETERMINATION FOR HIGH (1000:1) AND LOW (2:1) CONTRAST MIL. STD. 150A TARGETS.

2. COMPARISON OF SUBJECT FILM WITH SO-221 AND SO-188

- A. GROUND PHOTOGRAPHS OF DISTANT DAYLIGHT ILLUMINATED SCENE WITH 35MM CAMERA.

B. ENLARGEMENTS AND PHOTOMICROGRAPHS OF THE NEGATIVES SO PRODUCED.

3. PHYSICAL TESTS AT AMBIENT, 0 PERCENT RH, AND VACUUM (WHERE PRACTICAL)

SECRET

REPRODUCTION BY OTHER THAN THE ISSUING OFFICE IS PROHIBITED.

Copy No.

092 (IN 29496)

S E C R E T

PAGE 2

25X1

- A. TEAR RESISTANCE
 - B. EMULSION ADHERANCE TO BASE
 - C. SHRINKAGE (AMBIENT TO 0 PERCENT RH))
4. PHOTO SENSITIVITY IN VACUUM OVER LONG BEADED ROLLER.

- A. STATIC MARKINGS
- B. PRESSURE MARKINGS

5. DYNAMIC RESOLUTION TESTS IN AN ACTUAL INSTRUMENT TO BE CONDUCTED IN THE DYNAMIC SIMULATOR.

FOR THE ABOVE TESTS AND PREPARATORY ALIGNMENT PROCEDURES, WE WILL REQUIRE APPROXIMATELY 1500 FEET OF 70MM FILM.

FOR COMPLETION OF ABOVE TESTS, THE FOLLOWING COST ESTIMATE INCLUSIVE OF FEE IS SUBMITTED

\$16,198 - FORMAL SUBMISSION WILL FOLLOW

END OF MESSAGE

S E C R E T